

**DIVISION OF ENVIRONMENTAL HEALTH  
SOLID WASTE PROGRAM  
610 UNIVERSITY AVENUE  
FAIRBANKS, AK 99709-3643**  
<http://www.state.ak.us/dec/home/htm>

**Telephone: (907) 451-2108  
Fax: (907) 451-2187  
File Number: 480.15.001**

June 30, 1998

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED #**

The Honorable Elmer Ward, Mayor  
City of Kobuk  
P.O. Box 20  
Kobuk, AK 99751

***Re: City of Kobuk, Alaska Landfill, Solid Waste Disposal Permit #9832-BA002***

Dear Mayor Ward:

The Department of Environmental Conservation has completed its evaluation of your request for a solid waste disposal permit, to allow for the operation and maintenance of a Class III municipal solid waste landfill near Kobuk, Alaska in Section 27, Township 18 N., Range 9 E., Kateel River Meridian. The Department is issuing this permit in accordance with AS 46, 18 AAC 15, and 18 AAC 60. Please review the conditions and stipulations in the permit and ensure they are all understood. This permit is effective upon issuance and expires **June 15, 2003.**

Please note that there are new Federal requirements under 40 CFR Part 258, Solid Waste Disposal Regulations. Since the State of Alaska does not yet have an EPA-approved solid waste program, there will be some differences between what is required under state regulations and the requirements of the federal regulations. The state is currently trying to gain program approval from EPA.

The operation of the facility was reviewed for consistency with the Alaska Coastal Management Program 6 AAC 50, and found to be consistent with the Alaska Coastal Management Program Regulations and the Northwest Arctic Borough Coastal Area Plan.

Any person who disagrees with this decision may appeal the decision by requesting an adjudicatory hearing, using the procedures contained in 18 AAC 15.200-310. Hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 105, Juneau, Alaska 99801-1795, within thirty (30) days of receipt of this letter. If a hearing is not requested within thirty (30) days, the right to appeal is waived. Even if an adjudicatory hearing has been requested and granted, all permit conditions remain in full force and effect. Please also send a copy of the request to the undersigned.

Sincerely,

Heather T. Stockard  
Solid Waste Program Manager

HTS/KM/mlg (EH/SW/FBKS - k:\eh\sw\1998\9832-002.doc)

Enclosure: \* Permit 9832-BA002

cc w/enc: Kris McCumby, ADEC/Fairbanks  
Arlene Murphy, Division of Governmental Coordination/Anchorage  
Trustees for Alaska/Anchorage

**ALASKA DEPARTMENT  
OF  
ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL HEALTH  
610 UNIVERSITY AVENUE  
FAIRBANKS, ALASKA 99709-3643**

**SOLID WASTE DISPOSAL PERMIT**

---

Permit: **9832-BA002**

Date: June 30, 1998

---

This Solid Waste Disposal Permit is issued to the City of Kobuk for the operation and maintenance of a Class III Municipal Solid Waste Landfill (including construction/demolition waste and commercial refuse) near Kobuk, Alaska, located in Section 27 of Township 18 N., Range 9 E., Kateel River Meridian. This permit is subject to the conditions and stipulations contained in Appendices A and B which are incorporated herein by reference.

This permit is issued under provisions of Alaska Statute 46.03, the Alaska Administrative Code, as amended or revised, and other applicable State laws and regulations.

This permit is effective upon issuance and expires **June 15, 2003**. It may be terminated or modified in accordance with AS 46.03.120.

---

Heather T. Stockard

Solid Waste Program Manager

## **APPENDIX A - SPECIFIC CONDITIONS**

### **I. SITE DEVELOPMENT**

The permit holder shall:

- A. Comply with the revised designs and plans in the application dated April 8, 1998 and June 15, 1998, and the revised landfill operations and maintenance plan of June 1998, as well as the following permit conditions. Additional modifications may be requested, but must be authorized by a permit amendment, before that modification is effective.
- B. Ensure that all operations will accommodate the waste volume and are done in a manner that will facilitate landfill closure.
- C. Ensure that surface water runoff from outside the facility does not flow onto the facility and over, into, or through uncovered or covered solid wastes by constructing and maintaining diversion structures, such as ditches or berms.
- D. Erect and maintain a readily visible sign at the site currently in use with the following information legibly printed:

Facility Operator Identification  
Operator/Owner Name  
Conditions for Use  
Emergency Phone Numbers

- E. Erect and maintain a sign at the entrance to the site that lists items that may not be disposed of there such as: acids, corrosives, solvents, oily wastes, explosives, hazardous wastes, radioactive wastes, or unsterilized medical waste.
- F. Erect and maintain readily visible signs in the facility directing users to the various disposal areas (e.g., the active disposal area working face, the salvage area, or the septage/honey bucket disposal area) and listing pertinent rules for public use.
- G. Ensure that the site is managed in such a way as to prevent attracting wildlife, or domestic animals to the facility.
- H. Construct and maintain fences and a locking gate to control site and wildlife access. The gate will be locked and the contingency access plan discussed in the permit application implemented in the event that the public does not cooperate in obeying the posted guidelines and practices outlined in the landfill operations plan.

## II. SITE OPERATION

The permit holder shall:

### A. General Operating Procedures

1. Ensure that only domestic and commercial solid waste, construction and demolition wastes, and ash are disposed of at this site.
2. Maintain a controlled designated salvage area for the public. The area will be cleaned up on an annual basis and unused materials placed in the active cell area for disposal. Salvage area cleanups will be conducted on a more frequent basis if the area becomes a litter, nuisance or safety problem.
3. Ensure that the public is made aware of the rules and operations plan for the landfill. Control public access to the site, as necessary, to reduce risks to public health and safety.

### B. Animal/Fish Waste

1. Ensure that animal and fish wastes are placed in the designated area for their disposal at the site.
2. Ensure that animal wastes are coated with a thin layer of hydrated or quicklime and covered immediately with at least six inches of soil after each disposal.
3. Maintain a container and supply of hydrated or quicklime near the animal/fish waste and septage/honeybucket waste disposal area for use by residents when placing the waste at the site.

### C. Septage and Honey Bucket Waste

1. Septic tank pumpings or honey bucket waste will only be placed in the designated and separate disposal area and not be dumped throughout the landfill.
2. Maintain a minimum six-foot separation distance between the seasonal high groundwater and base of the disposal area.
3. Add hydrated lime or quicklime in a dry form at the rate of twenty (20) to thirty (30) pounds per one thousand (1000) gallons of septic tank pumping waste before, or as the waste is discharged into the disposal trench. A pH of twelve (12) should be maintained in the septic tank waste for a minimum of thirty (30) minutes to ensure an adequate pathogen (bacteria) reduction level is met.

II. SITE OPERATION (Cont.)

4. Ensure that septic tank pumping waste is covered with a minimum of six inches of soil after placement.
5. Maintain records of the volume (in gallons) of septic tank pumping waste disposed of at the site each year and make them available to the Department for review upon request or during facility inspections.

D. Burial

1. Consolidate and compact all loose refuse and cover with a minimum of six inches of compacted soil at least twice each month during the summer months when soils are workable. Burial of wastes will be required on a more frequent basis to reduce nuisances, animal attraction, or blowing litter if the Department determines there is a problem.
2. Consolidate and compact all loose refuse once each month during the winter months. Cover compacted waste with a minimum of 6 inches of soil as soon as soils are workable in spring.
3. Ensure the working face is kept as small as practical to reduce the potential for windblown litter and for the attraction of birds and animals.
4. Ensure that solid wastes will not be placed in surface waters.
5. Ensure that the maximum disposal cell working face does not exceed **eighty (80) feet** in width and the height does not exceed **four (4) feet**.
6. Ensure the wastes placed in the disposal cell are compacted in two foot increments, with a minimum of five (5) passes of the dozer/ compaction equipment on site prior to placement of the six inches of cover material.
7. Ensure that waste oils or oily wastes are managed in accordance with 40 CFR 279. Oil filters must be hot drained and crushed or incinerated prior to disposal.
8. Ensure that all large containers (e.g., cleaned barrels or drums) are crushed and flattened to prevent voids in the fill. Ensure that all nonsalvageable drums are empty of fluids prior to crushing and burying. All fluids removed from drums will be properly disposed of in accordance with all applicable State and Federal laws, including but not limited to, RCRA, the Clean Water Act, the Clean Air Act, Title 46 of Alaska Statutes and 18 AAC 60.
9. Maintain a separation distance of fifty (50) feet between the designated disposal area and the property boundary.

II. SITE OPERATION (Cont.)

10. Ensure that scrap vehicles or automobiles have been drained of all petroleum products and coolants, and the lead-acid batteries have been removed prior to disposal at the site.

E. Burning

1. Prohibit open burning on the working face and immediately extinguish any fires that occur on the working face.
2. Notify the Department of Environmental Conservation, Fairbanks Office, at 451-2134, if any fires occur on the working face.
3. Allow burning of solid waste when done in an incinerator complying with 18 AAC 50.040(b).
4. Allow controlled burning of wastes which do not create black smoke, if done in an area away from the working face in burn boxes, burn cages, or other enhanced burning devices. Burning shall occur only when an attendant is on duty. Burn boxes should be emptied of ash at least once each week or more often if full.
5. Implement a waste separation plan, if necessary, to ensure best combustion efficiency for the waste being burned.

F. Access

1. Construct and maintain on-site roads as necessary to ensure adequate traffic control. Adequate traffic control means that the site supervisor will maintain positive control of all persons who are within the landfill boundaries, and that refuse will be deposited in approved locations. Dumping in unauthorized areas violates conditions of this permit and Alaska Administrative Codes.

G. Litter

1. Collect all windblown and littered refuse from the disposal site and along the entrance road at least **once each month** during summer months and return it to the active disposal area for burial. All littered wastes on lands within five hundred (500) feet of the site, whether windblown or dumped, will be collected and disposed of at a frequency necessary to prevent this litter from becoming an aesthetic nuisance.

H. Snow Control

1. Remove snow where possible from the disposal cell operations area prior to spring snow melt.
2. Deposit any snow removed in an area away from the landfill working face within the landfill and clean up any accumulated litter in that area after the snow melts.
3. Erect snow fences or berms as necessary to control blowing snow at the site.

III. PROHIBITIONS AND SPECIAL RESTRICTIONS

The permit holder shall:

- A. Prohibit discharge of firearms at the facility.
- B. Prohibit disposal of regulated asbestos containing material at this site. Non-regulated asbestos containing material may be disposed of on a case-by-case basis, with written approval of the ADEC Fairbanks office, if the site is in compliance with the requirements of 18 AAC 60.490 a (1-3).
- C. Prohibit disposal of hazardous wastes, as defined in 40 CFR 261.3, oily wastes, waste oil, greases, paints, sludges, and chemical wastes at this facility.
- D. Prohibit disposal of lead-acid vehicle batteries at this site. Batteries may be stored temporarily in a designated area in covered, leak-proof storage containers prior to their transport to a recycler or permitted disposal site.
- E. Prohibit storage of used oil, or antifreeze or other bulk liquids at the landfill site. Used oil and other hazardous bulk liquids must be stored in a bermed and lined area located away from the landfill facility.
- F. Prohibit disposal of contaminated soil which contains metals or other chemicals in concentrations which the Department determines poses an unacceptable risk to human health or the environment. Prohibit disposal of contaminated soils which exceed the following criteria:
- |                         |                 |
|-------------------------|-----------------|
| Diesel Range Organics   | .....100.0 mg/l |
| Gasoline Range Organics | .....50.0 mg/l  |
| Benzene                 | .....0.1 mg/l   |
| BTEX                    | .....10.0 mg/l  |
- G. Prohibit the disposal of unsterilized medical waste. Medical waste must be packaged to prevent a health hazard before disposing of in the landfill.
- H. Prohibit the disposal of bulk liquids at the site. Containers being disposed of must hold one gallon or less of liquid.



IV. MONITORING AND REPORTING

The permit holder shall:

A. Visually monitor the site each month for signs of damage or potential damage to any part of the facility due to settlement, ponding, leakage, frost action, or erosion. The visual inspection should include observations for any violations of the permit conditions for the facility. **Retain the results of visual monitoring in the operating record for the facility for review by employees or by ADEC during inspections.**

B. Maintain a set of site development and use plans and submit an updated copy to the Department showing current status of site development by **June 1** of each year of the permit.

C. Photograph the disposal site:

1. As prepared for waste disposal.
2. During waste deposition at least once per year.
3. After final cover has been applied.
4. After revegetation during the summer following closure.

Photos taken under 1, 2, and 3 should be submitted within sixty (60) days of closure, and photos under 4, within one (1) year of closure.

D. Maintain an Operating Record in a readily accessible place in the community or at the landfill containing:

1. A copy of the permit application and permit.
2. Inspection records, training procedures, and notification procedures required by 18 AAC 60.240.
3. Any demonstration, certification, or monitoring data required in this permit including how the facility meets Class III criteria.
4. The operating plan described in 18 AAC 60.210(b)(9).
5. As-built drawings of the landfill.
6. Location restriction demonstrations such as those for minimum distance to runways or flood plains.
7. Copies of visual inspection records for the facility.

V. CLOSURE AND RESTORATION

The permit holder shall:

- A. Notify the Department's Fairbanks/Northern Office at least thirty (30) days before the site is to be permanently closed and the equipment withdrawn.
- B. Ensure that a final cover is applied within ninety (90) days after the last waste is deposited, and consists of a minimum of two feet of material. The top six inches will consist of soil which will promote adequate water retention for the successful revegetation of the site with native vegetation or grasses.
- C. Ensure that the covered areas and drainage control structures are graded to promote and maintain surface water runoff, to prevent ponding and erosion, and to minimize the amount of water entering the solid waste.
- D. Develop and implement a vegetative cover plan for completed areas within the first growing season after closure, using plant species recommended by the Alaska Plant Material Center (907) 745-4469.
- E. Complete additional surface restoration work if the Department determines that significant erosion, ponding, settlement, or lack of success with revegetation has occurred within five (5) years of facility closure.
- F. Prepare a survey as-built or record drawings showing the location, volume and type of waste deposited at the solid waste disposal site, and a legal description of the landfill property which would be found during a title search. Submit the as-built to the ADEC Solid Waste Program, Fairbanks Office, within sixty (60) days of the final closure or expiration date of this permit.
- G. Within sixty (60) days after the entire facility is permanently closed to landfilling, file the survey as-built or record drawings of the area used as a landfill with the State Recorder's Office or other appropriate land records office approved by the Department. At the same time, file a notation informing future property owners that use of the land may not disturb the integrity of the final cover, cap, or other structures or devices installed as part of closure, unless approved by the Department. Submit proof of these recordings to this Department.

## **APPENDIX B - GENERAL PERMIT CONDITIONS**

### **I. ACCESS AND INSPECTION**

The permittee shall allow the Commissioner or her/his representative access to the permitted facilities at reasonable times to conduct scheduled or unscheduled inspections or tests to determine compliance with this permit, State laws, and regulations.

### **II. INFORMATION ACCESS**

Except for information relating to confidential processes or methods of manufacture, all records and reports submitted in accordance with the terms of this permit shall be available for public inspection at the State of Alaska Department of Environmental Conservation, Fairbanks Office, 610 University Avenue, Fairbanks, Alaska 99709-3643.

### **III. CIVIL AND CRIMINAL LIABILITY**

Nothing in this permit shall relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, including, but not limited to, accidents, equipment breakdowns, or labor disputes.

### **IV. AVAILABILITY**

The permittee shall post or maintain a copy of this permit available to the public at the disposal facility.

### **V. ADVERSE IMPACT**

The permittee shall take all necessary means to minimize any adverse impacts to the receiving waters or lands resulting from noncompliance with any limitation specified in this permit, including any additional monitoring needed to determine the nature and impact of the noncomplying activity. The permittee shall cleanup and restore all areas adversely impacted by the noncompliance.

### **VI. CULTURAL OR PALEONTOLOGICAL RESOURCES**

Should cultural or paleontological resources be discovered as a result of this activity, work which would disturb such resources is to be stopped, and the State Historic Preservation Office, Division of Parks and Outdoor Recreation, Department of Natural Resources, is to be notified immediately (907-269-8721).

VII. APPLICATIONS FOR RENEWAL

In accordance with 18 AAC 15.100(d), applications for renewal or amendment of this permit must be made no later than thirty (30) days before the expiration date of the permit or the planned effective date of the amendment.

VIII. OTHER LEGAL OBLIGATIONS

The requirements, duties, and obligations set forth in this permit are in addition to any requirements, duties, or obligations contained in any permit that the Alaska Department of Environmental Conservation or the U.S. Environmental Protection Agency has issued or may issue to the permittee.

This permit does not relieve the permittee from the duty to obtain any and all necessary permits and to comply with the requirements contained in any such permit or with applicable state and federal laws and regulations. All activities conducted by the permittee pursuant to the terms of this permit and all plans implemented by the permittee pursuant to the terms of this permit shall comply with all applicable state and federal laws and regulations.

IX. POLLUTION PREVENTION

In order to prevent and minimize present and future pollution, when making management decisions that affect waste generation, the permittee shall consider the following order of priority options: waste source reduction; recycling of waste; waste treatment; and waste disposal.